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PTO/SB/17 (10-03)
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			Complete if Known					
FEE TRANSMITTAL			Application Number 10/730,041					
for EV 2004			Date		December 9, 2003			
for FY 2004	- 1	First Named Inventor			ntor Kanwal K. Raina			
Effective 10/01/2003, Patent fees are subject to annual revision.		Exam	iner N	lame	Not Yet Assigned			
Applicant claims small entity status. See 37 CFR 1.27	Art Unit				2879			
TOTAL AMOUNT OF PAYMENT (\$) 130.00		Attom	ey Do	cket No	o. M4065.0206/P206-C			
METHOD OF PAYMENT (check all that apply)				FEE	CALCULATION (continued)			
Credit Money	3 A	DDITIO	NAI	. FEES				
Deposit Associate	9. 7				•			
Deposit Account.	Large	Entity		I Entity	_			
Account Number 04-1073	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description Fee Paid			
Deposit Account Dickstein Shapiro Morin &	1051	130	2051	65	Surcharge – late filing fee or oath			
Name Oshinsky LLP The Director is authorized to: (check all that apply)	1052	50	2052	25	Surcharge – late provisional filing fee or cover sheet.			
Charge fee(s) indicated below X Credit any overpayments	1053	130	1053	130	Non-English specification			
Charge any additional fee(s) or any underpayment of fee(s)	1812	2,520	1812	2,520				
Charge fee(s) indicated below, except for the filing fee	1804	920°	1804	920*	Requesting publication of SIR prior to Examiner action			
to the above-identified deposit account.	1805	1,840*	1805		Requesting publication of SIR after Examiner action			
FEE CALCULATION	1251	110	2251	55	Extension for reply within first month			
1. BASIC FILING FEE Large Entity Small Entity	1252 1253	420 950	2252 2253	210 475	Extension for reply within second month			
Fee Fee Fee Fee Description Fee Paid	1254	1,480	2254	740	Extension for reply within third month Extension for reply within fourth month			
Code (\$) Code (\$)		1						
1001 770 2001 385 Utility filing fee 1002 340 2002 170 Design filing fee	1255 1401	2,010	2255 2401		Extension for reply within fifth month Notice of Appeal			
1003 530 2003 265 Plant filing fee	1402	330	2402		Filing a brief in support of an appeal			
1004 770 2004 385 Reissue filing fee	1403	290	2403		Request for oral hearing			
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding			
SUBTOTAL (1) (\$) 0.00	1452	110	2452	55	Petition to revive – unavoidable			
30B101AE (1) (4) 0.00	1453	1,330	2453	665	Petition to revive - unintentional			
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,330	2501	665	Utility issue fee (or reissue)			
Extra Fee from <u>Claims</u> <u>below</u> <u>Fee Paid</u>	1502	480	2502	240	Design issue fee			
Total Claims 17 -20** = x = 0.00	1503	640	2503	320	Plant issue fee			
Independent 4 -4** = x = 0.00	1460	130	1460	130	Petitions to the Commissioner 130.00			
Multiple Dependent =	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)			
Large Entity Small Entity	1806	180	1806	180	Submission of Information Disclosure Stmt			
Fee Fee Fee Code (\$) Code (\$)	8021	40	8021	40	Recording each patent assignment per property (times number of properties)			
1202 18 2202 9 Claims in excess of 20	1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))			
1201 86 2201 43 Independent claims in excess of 3 1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	For each additional invention to be			
1204 86 2204 43 ** Reissue independent claims	1801	770	2801	385	examined (37CFR 1.129(b)) Request for Continued Examination (RCE)			
over original patent	1802	900	1802	900	Request for expedited examination			
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent		ee (spec			of a design application			
SUBTOTAL (2) (\$) 0.00	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 130.00							
**or number previously paid, if greater; For Reissues, see above								
SUBMITTED BY	Redistr	ation No		074	(Complete (if applicable))			
Name (Print/Type) Thomas J. D'Amico	Attorne	y/Agent)	128	3,371	Telephone (202) 828-2232			
Date May 6, 2004								



Docket No.: M4065.0206/P206-C

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Kanwal K. Raina

Application No.: 10/730,041

Confirmation No.: 2998

Filed: December 9, 2003

Art Unit: 2879

For: METHOD TO INCREASE THE EMISSION

CURRENT IN FED DISPLAYS THROUGH THE SURFACE MODIFICATION OF THE

EMITTERS

Examiner: Not Yet Assigned

PETITION FOR WITHDRAWAL OF NOTICE OF OMITTED ITEM

MS Missing Parts Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

05/07/2004 SZEWDIE1 00000021 10730041

01 FC:1460

130.00 DP

Dear Sir:

Applicant petitions for withdrawal of the Notice of Omitted Item (copy attached as Exhibit A). The Notice of Omitted Item states that page 1 of the specification has been omitted.

Applicant notes that the present application is a continuation of U.S. Patent Application Serial No. 09/387,776, filed September 1, 1999, now abandoned, entitled Method To Increase The Emission Current In Fed Displays Through The Surface Modification Of The Emitters, which was <u>incorporated by reference</u> in its entirety in the present application (see copy of attached transmittal letter and of First Preliminary Amendment filed December 9, 2003 as Exhibit B). Thus, the specification of the present

Application No.: 10/730,041 Docket No.: M4065.0206/P206-C

application contains the entirety of disclosure of its prior related application, which includes page 1 of the specification. A true copy of Application Serial No. 09/387,776 is attached as Exhibit C. Accordingly, page 1 of the specification was indeed incorporated as part of the application as filed and entry of the attached duplicate copy of page 1 is requested.

In addition, Applicant respectfully contends that the allegedly omitted item was indeed deposited with the U.S. Patent and Trademark Office ("PTO") along with the application papers on December 9, 2003. Applicant notes that the filing postcard for this application, a copy of which is attached as Exhibit D, indicates that the PTO acknowledged receipt of page 1 of the specification on December 9, 2003. Applicant further notes that the specification of this application, including page 1, is a total of 13 pages in length. Thus, the entire specification, including page 1, was deposited with the PTO on December 9, 2003.

In view of the above, Applicant respectfully petitions for the abovereferenced application to be accorded a filing date of December 9, 2003.

Dated: May 6, 2004

Respectfully submitted,

Thomas J. D'Amico

Registration No.: 28,371

Gabriela I. Coman

Registration No.: 50,515

DICKSTEIN SHAPIRO MORIN &

OSHINSKY LLP

2101 L Street NW

Washington, DC 20037-1526

(202) 785-9700

Attorneys for Applicant

United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS PARTICLE OF COMMISSIONER FOR PATENTS Alexandra, Virguite 22313-1450 www.upto.gov

APPLICATION NUMBER

FILING OR 371 (c) DATE

FIRST NAMED APPLICANT

ATTORNEY DOCKET NUMBER

Page 1 of 2

10/730,041

12/09/2003

Kanwal K. Raina

M4065.0206/P206-C

24998 DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP 2101 L STREET NW WASHINGTON, DC 20037-1526 CONFIRMATION NO. 2998 FORMALITIES LETTER

OC000000012108533

Date Mailed: 03/16/2004

NOTICE OF OMITTED ITEM(S) IN A NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

A filing date has been accorded to the above-identified nonprovisional application papers; however, the following item(s) appear to have been omitted from the application:

- Page(s) 1 of the specification (description and claims).
- I. Should applicant contend that the above-noted omitted item(s) was in fact deposited in the U.S. Patent and Trademark Office (USPTO) with the nonprovisional application papers, a copy of this Notice and a petition (and \$130.00 petition fee (37 CFR 1.17(h))) with evidence of such deposit must be filed within TWO MONTHS of the date of this Notice. The petition fee will be refunded if is determined that the item(s) was received by the USPTO.
- II. Should applicant desire to supply the omitted item(s) and accept the date that such omitted item(s) was filed in the USPTO as the filing date of the above-identified application, a copy of this Notice, the omitted item(s) (with a supplemental oath or declaration in compliance with 37 CFR 1.63 and 1.64 referring to such items), and a petition under 37 CFR 1.182 (with the \$130.00 petition fee (37 CFR 1.17(h)) requesting the later filing date **must** be filed within **TWO MONTHS** of the date of this Notice.

Applicant is advised that generally the filing fee required for an application is the filing fee in effect on the filing date accorded the application and that payment of the requisite basic filing fee on a date later than the filing date of the application requires payment of a surcharge (37 CFR 1.16(e)). To avoid processing delays and payment of a surcharge, applicant should submit any balance due for the requisite filing fee based on the later filing date being requested when submitting the omitted items(s) and the petition (and petition fee) requesting the later filing date.

III. The failure to file a petition (and petition fee) under the above options (I) or (II) within **TWO MONTHS** of the date of this Notice (37 CFR 1.181(f)) will be treated as a constructive acceptance by the applicant of the application as deposited in the USPTO. **THIS <u>TWO MONTH</u> PERIOD IS NOT EXTENDABLE UNDER 37 CFR 1.136(a) or (b)**. In the absence of a timely filed petition in reply to this Notice, the application will maintain a filing date as of the date of deposit of the application papers in the USPTO, and original application papers (*i.e.*, the original disclosure of the invention) will include only those application papers present in the USPTO on the date of deposit.

In the event that applicant elects not to take action pursuant to options (I) or (II) above (thereby constructively electing option (III)), amendment of the specification to renumber the pages consecutively and cancel incomplete sentences caused by any omitted page(s), and/or amendment of the specification to cancel all references to any omitted drawing(s), relabel the drawing figures to be numbered consecutively (if necessary), and correct the

references in the specification to the drawing figures to correspond with any relabeled drawing figures, is required. A copy of the drawing figures showing the proposed changes in red ink should accompany with any drawing changes. Such amendment and/or correction to the drawing figures, if necessary, should be by way of preliminary amendment submitted prior to the first Office action to avoid delays in the prosecution of the application.

Replies should be mailed to:

Mail Stop Missing Parts

Commissioner for Patents

P.O. Box 1450

Alexandria VA 22313-1450

A copy of this notice MUST be returned with the reply.

Customer Sérvice Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

Docket: M4065. , P206 M. Docket No.: 99-0428

METHOD TO INCREASE THE EMISSION CURRENT IN FED DISPLAYS THROUGH THE SURFACE MODIFICATION OF THE EMITTERS

BACKGROUND OF THE INVENTION

I. FIELD OF THE INVENTION

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The present invention relates generally to display devices implementing Field Emission Display (FED) technology. More specifically, the invention relates to a method for increasing the emission current of the current emitters of a Field Emission Display (FED).

II. DESCRIPTION OF THE RELATED ART

Until recently, the cathode ray tube ("CRT") had been the primary device for displaying information. While having sufficient display characteristics with respect to color, brightness, contrast, and resolution, CRT's are relatively bulky and consume large amounts of power. In view of the advent of portable laptop computers, the demand has intensified for a display technology which is light-weight, compact, and power efficient.

One available technology is flat panel displays, and more particularly, Liquid Crystal Display ("LCD") devices. LCDs are currently used for laptop computers. However, these LCD devices provide poor contrast in comparison to CRT technology. Further, LCDs offer only a limited angular display range. Moreover, color LCD devices consume power at rates incompatible with extended battery operation. Lastly, a color LCD type screen tends to be far more costly than an equivalent CRT.

FED technology has recently come into favor as one technology for

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1028218v2

PTO/SB/05 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

Attor	ney Docket No.	M4065.0206/P206-C				
First Inventor		Kanwal K. Raina				
METHOD TO INCREASE THE EMISSION CURRENT IN FED DISPLAYS THROUGH THE SURFACE MODIFICATION OF THE EMITTERS						

(Only for new nonprovisional applications under 37 CFR 1.53(b)) Expre	ess Mail Label No.			
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	MS Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450			
1. X Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27. 3. X Specification [Total Pages 13] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 6] 5. Oath or Declaration [Total Sheets 2] a. Newly executed (original or copy) b. X Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS 9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement Power of (when there is an assignee) Attorney 11. English Translation Document (if applicable) 12. X Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations 13. X Preliminary Amendment 14. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.			
6. Application Data Sheet. See 37 CFR 1.76	17. Other:			
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: X Continuation Divisional Continuation-in-part (CIP) of prior application No.: 09/387,776 Prior application information: Examiner Michael Cleveland Art Unit: 1762 For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS				
X Customer Number: 24998	OR Correspondence address below			
Name DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP Thomas J. D'Amico				
Address 2101 L Street NW				
City Washington State	DC Zip Code 20037-1526			
Country US Telephone	(202) 785-9700 Fax (202) 887-0689			
Name (Print/Type) Thomas J. D'Amic	Registration No. (Attorney/Agent) 28,371			
Signature	Date December 9, 2003			